



CITY OF SUGAR LAND

Engineering Department

CIP Project Number: WW1003

Title: Emergency Power Pumps at Lift Stations

Project Phase: Design/Construction

% of Phase Completion



Cost for this Phase: \$1,660,000

Funding Sources: Revenue Bonds

Project Manager: Richard Mancilla

Contractor: TBD

Consultant: Hewitt Engineering

Project Description: Installation of 6-inch (10), and 8-inch (6) dry prime automatic diesel backup pumps at large sanitary sewer lift stations in the event of loss of power or pump failure at critical sites. These installations are true backup systems and work independent of the onsite motor control centers.

Justification: Almost one third of the sanitary sewer overflows throughout the city occur due to lift station failures of some type i.e. electrical supply, pump failure, auto sensory. These stationary pumps initiate and begin to pump in the event of any local failure and are half the cost of electric generators.

Update:

October 2009 – Hewitt Engineering was selected as the consultant. Staff met with Hewitt to discuss proposal for Preliminary design report. Proposal was received and begun processing.

November 2009 – Contract with Hewitt for Preliminary Design was processed in the amount of \$24,320. Staff and Hewitt visited all 16 sites on November 23, awaiting submittal from consultant.

December 2009 – Received recommendations for pump purchase from consultant (Hewitt Engineering). Awaiting 30% design from consultant.

January 2010 – Preliminary design is complete. Staff has received a proposal for final design which is currently being reviewed. Staff is moving forward with pump purchase from HGAC Buy Board.